



State of Vermont

Department of Fish and Wildlife
Department of Forests, Parks and Recreation
Department of Environmental Conservation
State Geologist
Natural Resources Conservation Council
RELAY SERVICE FOR THE HEARING IMPAIRED
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AGENCY OF NATURAL RESOURCES
Department of Environmental Conservation
Hazardous Materials Management Division
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July 27, 1994

Mr. Mark Smith
Caledonia Record
25 Federal Street
St. Johnsbury, VT 05819

RE: Chlorinated solvent contamination discovered at the Caledonia Record in St. Johnsbury (Site #90-0584)

Dear Mr. Smith:

The Sites Management Section (SMS) is in receipt of the analytical results of groundwater samples taken from the onsite monitoring well at the Caledonia Record facility, dated July 1, 1994, submitted by Dufresne-Henry, Inc.. The results indicate that extremely elevated levels of tetrachloroethene (PCE) exist in the groundwater near MW-1. PCE was detected at 4,980 parts-per-billion (ppb), far in excess of the State's groundwater enforcement standards of 0.7 ppb for PCE.

Based on this information, the SMS has determined that an aggressive investigative approach is necessary to determine the source of the PCE contamination at this site. The SMS requests that the Caledonia Record retain the services of a qualified environmental consultant to perform the following additional tasks:

- Perform a source/receptor assessment which identifies the potential sources for the contamination based on historic investigative work, and the potential sensitive receptors which may be adversely affected by the contamination. Potential receptors such as surface waters, etc., which are determined to be at risk should be sampled by EPA Method 8240.
- Determine the degree and extent of PCE contamination to the groundwater through the installation of three additional monitoring wells in appropriate locations. The locations should depend on the results of the source assessment. Split spoon samples should be obtained in five foot intervals during the boring process and field screened with a PID. Groundwater samples should be collected from all onsite monitoring wells and analyzed by EPA Method 8240. Groundwater elevations should be obtained relative to an arbitrary datum and a groundwater contour map should be developed.
- Submit a summary report to the SMS which includes boring logs, analytical results, site plan, groundwater contour map, contaminant isoconcentration map (if appropriate),

conclusions regarding potential sources and receptors, and recommendations for further work.

Please have your consultant submit a work plan to Mr. Matt Germon, Site Manager, of the SMS for review to insure that the proposed work is adequate in meeting the requests of the SMS. Since the PCE contamination is most likely not from an underground storage tank (UST), the Petroleum Cleanup Fund does not apply to the costs of the requested work. If the investigation suggests an offsite source, the SMS will direct future requests to the party responsible for the contamination.

The SMS would appreciate a timely response to this letter, as this contamination is of great concern to us. Please feel free to call Mr. Germon or myself with any questions or concerns.

Sincerely,

A handwritten signature in cursive script that reads "Richard Spiese". The signature is written in dark ink and is positioned above the printed name and title.

Richard Spiese, Acting Supervisor
Sites Management Section

cc: Mr. Donald R. Marsh, P.E., Dufresne-Henry, Inc.
DEC Regional Office
St. Johnsbury Selectboard

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